



0021

The Open University of Sri Lanka
BSc (IT) Degree Programme – Level 05
Department of Computer Science
ITU5300 – Human Computer Interaction
Final Examination 2024/2025
Duration: Two hours only (2 hours)

Sample

Date: 11.11.2025

Time: 09.30 a.m. – 11.30 a.m.

ANSWER FOUR (4) QUESTIONS ONLY.

(1)

- i. Briefly describe the term 'Human Computer Interaction'.
- ii. What are the key components of Interaction Design? Briefly describe.
- iii. What are the main components of the Design Process in HCI?
- iv. What were some of the earliest forms of Human Computer Interaction and how did they function?

(25 marks)

(2)

- i. State four (04) sensory inputs.
- ii. Briefly describe the importance of human memory of HCI.
- iii. What is the design process in HCI? Briefly describe.
- iv. How did the development of graphical user interfaces (GUIs) change the way people interact with computers?

(25 marks)

(3)

- i. What are the main three (03) types of human memory? Briefly describe.
- ii. Briefly describe how hearing is important for the Human Computer Interaction.
- iii. What is Human Cognition?

- iv. Briefly describe how humans interact with computer systems.

(25 marks)

(4)

- i. What are the main components of a typical computer system, and what are their functions?
- ii. What is Human Error in HCI? Briefly describe.
- iii. What are the main components of the interaction framework in HCI?
- iv. State four (04) Benefits of Iterative Design in HCI. Briefly describe.

(25 marks)

(5)

- i. What is the role of prototyping in Human Computer Interaction?
- ii. State two (02) benefits of prototyping.
- iii. What are the key principles of usability engineering, and how are they applied in real world scenarios?
- iv. What are the main components of a typical computer systems?

(25 marks)

(6)

- i. State five (05) types of Design Rules.
- ii. What is the importance of evaluation in HCI?
- iii. Briefly describe the Future Trends in User Support Systems.
- iv. State three (3) models that help understand and design interactions between humans and computers.

(25 marks)

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